

# **2004 Training Workshop Schedule**

## **Tennessee Erosion Prevention and Sediment Control Training and Certification Program**

Tennessee Department of Environment and Conservation

Tennessee Department of Transportation

Tennessee Water Resources Research Center

Department of Biosystems Engineering & Environmental Science

### **Level I - Fundamentals of Erosion Prevention and Sediment Control Workshop**

Nashville – August 26, 2004  
Willis Conference Center  
26 Century Blvd.

Memphis – September 8, 2004  
AgriCenter International  
7777 Walnut Grove Rd.

Chattanooga – September 14, 2004  
Country Place Restaurant  
7320 Shallowford Rd.

Knoxville – September 28, 2004  
TDOT Region I Office  
7345 Region Ln.

Johnson City – November 4, 2004  
TBA

This is a foundation-building course intended for individuals involved in land-disturbing activities covered by TDEC's Construction General Permit: inspection and enforcement personnel from all levels of government, plan preparers and reviewers, and designers and engineers. This course aims to build a solid working knowledge of erosion and sedimentation processes and practices.

**OBJECTIVES AND GOALS:**

- To become familiar with the state agencies involved with erosion prevention and sediment control.
- To gain an understanding of the erosion process and hydrologic cycle.
- To become familiar with the NPDES construction storm water permitting process.
- To become familiar with common structural erosion and sediment control practices.
- To gain a better understanding of the impact of erosion on Tennessee's natural resources.
- To gain an understanding of Best Management Practices for erosion prevention and sediment control on construction sites.

**Prerequisites:** *No formal requirements.*

**Materials needed:** You will be provided with a copy of the current edition of the *Tennessee Erosion and Sediment Control Handbook: A Guide to the Protection of State Waters through the use of Best Management Practices during Land Disturbing Activities*.

**Certification:** All Level I workshop participants are required to take a course completion exam in order to be awarded PDH credit and a Certificate of Course Completion.

**PDHs:** 7.0 hours

**Times:** Registration 8:00-8:30 a.m.; Class 8:30 a.m. – 4:30 p.m. Lunch will be provided.

**Cost:** \$150

**Special Note:** This course is a prerequisite for the Level II course “Design Principles for Erosion Prevention and Sediment Control on Construction Sites.”

**Registration:** Registration is limited. Early registration and payment are strongly encouraged to guarantee your space. You must have your registration in 5 working days prior to the workshop to be assured a space (see registration form for deadlines). To register complete the registration form and fax or mail it to the number and address provided on the form. Email registration is possible; please be sure to include all the information requested on the form and send it to Louis Allen ([lallen1@utk.edu](mailto:lallen1@utk.edu)). Confirmation of registration will be by email or fax within 5 days. If you have any questions regarding registration or course content, contact the Tennessee Water Resources Research Center at (865) 974-2151 or email Tim Gangaware at [gangwrrc@utk.edu](mailto:gangwrrc@utk.edu).

**Cancellation Policy:** In the event you are unable to attend the workshop you registered for, attendee substitutions are allowed and encouraged. We will issue full refunds for cancellation made five (5) working days prior to the workshop. Due to heavy demand for limited workshop seats, no refunds will be issued thereafter and no-show registrants will not be refunded as well. **Transfers may be made to another scheduled workshop and a \$25 transfer fee will be charged.**

## **Level II - Design Principles for Erosion Prevention and Sediment Control for Construction Sites**

Nashville – September 9-10, 2004  
Willis Conference Center  
26 Century Blvd.

Memphis – October 6-7, 2004  
EnSafe Training Center  
5730 Summertrees Dr.

Chattanooga – November 17-18, 2004  
TBA

Knoxville – December 1-2, 2004  
U.T. Conference Center  
600 Henley St.

This advanced two-day course is designed for engineers, environmental designers, plan preparers and reviewers. Landscape architects and other professionals involved with the construction site planning and design are encouraged to attend. Detailed instruction is given on the engineering technologies needed to control stormwater on a construction site. Workshop participants will obtain the tools needed for developing an acceptable, working erosion and sediment control plan as described in TDEC's Tennessee Erosion & Sediment Control Handbook and required by the Tennessee General Construction Stormwater Permit.

### ***TOPICS DISCUSSED INCLUDE:***

- Site investigation and hydrologic analysis
- Alternative peak discharge methods
- Conveyance system design (open Channels, rip rap etc.)
- Sediment transport process and analysis
- Overview and design of selected common structural controls (i.e. sediment control/ stormwater management ponds, check-dams, diversions, retrofits)

### ***OBJECTIVES AND GOALS:***

- Review of surface water hydrologic principles and hydrologic evaluation for construction sites including time of concentration, runoff coefficient, & storm event analysis.
- Review of peak runoff methods, including Rational & TR-55 approaches.
- Understanding design principles and performance of Best Management Practices (BMPs), including detailed temporary sediment pond analysis.
- Application of NRCS TR-55 software for determining construction site runoff.

**Prerequisites:** The Level I course, *Fundamentals of Erosion Prevention and Sediment Control*, is required; the workshop participant should have a basic understanding of surface water hydrology either through formal engineering training or through equivalent experience.

**Materials needed:** Bring a copy of the current edition of the *Tennessee Erosion and Sediment Control Handbook: A Guide to the Protection of State Waters through the use of Best Management Practices during Land Disturbing Activities*, please bring it to the course. Also, bring a portable calculator and pencil.

**PDHs:** 14.0 hours

**Times:** Registration 8:00-8:30 a.m. first day; Classes begin at 8:30 a.m. – 4:30 p.m. Lunch will be provided both days.

**Cost:** \$300

**Registration:** Registration is limited to **40 persons**. Early registration and payment are strongly encouraged to guarantee your space. You must have your registration in 5 working days prior to the workshop to be assured a space (see registration form for deadlines). To register complete the registration form and fax or mail it to the number and address provided on the form. Email registration is possible: please be sure to include all the information requested on the form and send it to Louis Allen ([llallen1@utk.edu](mailto:llallen1@utk.edu)). Confirmation of registration will be by email or fax within 5 days. If you have any questions regarding registration or course content, contact the Tennessee Water Resources Research Center at (865) 974-2151 or email Tim Gangaware at [gangwrrc@utk.edu](mailto:gangwrrc@utk.edu).

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